

INTERNATIONAL SEARCH REPORT

IB2004/050896

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L23/495 H01L21/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 005 287 A (KAIYA YUITI ET AL) 21 December 1999 (1999-12-21)	1-4, 7, 10, 11, 13, 16
Y	column 2, line 47 – column 3, line 31; figures 5, 6	9, 12
X	US 4 252 864 A (COLDREN DANIEL R) 24 February 1981 (1981-02-24)	1-4, 7, 10, 11, 13, 15, 16
Y	column 3, line 6 – column 4, line 61	9, 12
X	EP 0 794 571 A (ITT MFG ENTERPRISES INC) 10 September 1997 (1997-09-10) column 9, line 4 – column 15, line 6; figure 6	1-7, 10, 11, 13, 16
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
18 October 2004	26/10/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer Edmeades, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 736 367 A (HEINLEN F ET AL) 29 May 1973 (1973-05-29) column 2, line 26 – column 5, line 13; figure 1 -----	1-7, 9-13,15, 16
A	US 5 225 897 A (REIFEL HARRY C ET AL) 6 July 1993 (1993-07-06) figure 4 -----	1,3,10
A	US 2001/054640 A1 (TAKAHASHI YOSHIHARU) 27 December 2001 (2001-12-27) paragraph '0052!; figure 5 -----	

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US 3736367	A	29-05-1973		NONE		
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